

# HMGCS1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5269

## Product Information

---

Application	FC, IHC-P, WB
Primary Accession	<a href="#">Q01581</a>
Other Accession	<a href="#">P17425</a> , <a href="#">Q8JZK9</a> , <a href="#">P13704</a> , <a href="#">P23228</a>
Reactivity	Mouse, Rat, Human
Predicted	Hamster, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57294
Isotype	Rabbit IgG
Antigen Source	HUMAN

## Additional Information

---

Gene ID	3157
Antigen Region	290-317
Other Names	HMGCS1; HMGCS; Hydroxymethylglutaryl-CoA synthase, cytoplasmic; 3-hydroxy-3-methylglutaryl coenzyme A synthase
Dilution	FC~~1:10~50 IHC-P~~1:100~500 WB~~ 1:1000
Target/Specificity	This HMGCS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 290-317 amino acids from the Central region of human HMGCS1.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HMGCS1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

---

Name	HMGCS1 ( <a href="#">HGNC:5007</a> )
Synonyms	HMGCS

<b>Function</b>	Catalyzes the condensation of acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is converted by HMG-CoA reductase (HMGCR) into mevalonate, a precursor for cholesterol synthesis.
<b>Cellular Location</b>	Cytoplasm.

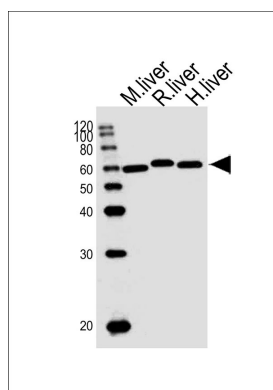
## Background

HMGCS1 condenses acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is the substrate for HMG-CoA reductase.

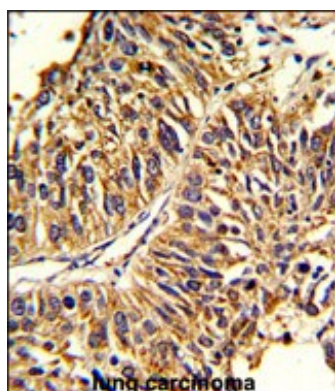
## References

Vock,C., Cell. Physiol. Biochem. 22 (5-6), 515-524 (2008)

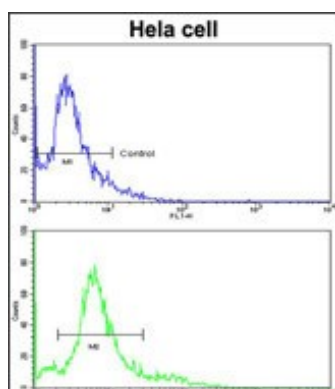
## Images



Western blot analysis of lysates from mouse liver, rat liver, human liver tissue (from left to right), using HMGCS1 Antibody (Center)(Cat. #AW5269). AW5269 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.



Formalin-fixed and paraffin-embedded human lung carcinoma reacted with HMGCS1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow cytometric analysis of heLa cells using HMGCS1 Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.